

## ABSTRACT OF THE INVENTION

The invention provides methods and compositions relating to Kuz involvement in angiogenesis. In various embodiments, the invention provides methods for modulating angiogenesis by specifically modulating the activity of Kuz in a vertebrate animal  
5 predetermined to have a pathogenic angiogenesis; methods for modulating angiogenesis by specifically modulating the activity of Kuz in a vertebrate animal and subsequently detecting a resultant angiogenic modulation in the animal; methods for specifically detecting Kuz activity in a vertebrate animal predetermined to have a pathogenic angiogenesis; methods for specifically detecting a pathogenic angiogenesis in a vertebrate animal having a  
10 predetermined Kuz activity; and methods for identifying a modulator of angiogenesis by (a) contacting an angiogenic assay system comprising a predetermined amount of Kuz with a candidate agent, under conditions whereby but for the presence of the agent, the system provides a reference angiogenesis; and (b) detecting an agent-biased angiogenesis of the system.